

SYMBOL LEGEND:

MIDUL LEGEND.			
	EXISTING MANHOLE	UCV ⊗	EXISTING WATER SERVICE VALVE
	EXISTING STORM INLET		EXISTING OUTLET POST
0	EXISTING STORM CLEANOUT	8	EXISTING GUARD POST
©	EXISTING SANITARY CLEANOUT	©	
E	EXISTING ELECTRIC MANHOLE		EXISTING FLAG POLE
\boxtimes	EXISTING GATE VALVE	——— UGP ———	EXISTING UNDERGROUND POWER LINE
	EXISTING FIRE HYDRANT	——————————————————————————————————————	EXISTING SANITARY SEWER LINE
*	EXISTING LIGHT POLE	——————————————————————————————————————	EXISTING IRRIGATION LINE
	EXISTING TRANSFORMER	——STS—	EXISTING STORM SEWER LINE
	EXISTING TRANSFORMER	——— W ———	EXISTING WATERMAIN LINE
	EXISTING TREE	CW	EXISTING CHILLED WATER LINE
		——— G ———	EXISTING GAS LINE
	EXISTING TREE	UGT	EXISTING UNDERGROUND TELEPHONE LINE
	EVICTING CURIED	——————————————————————————————————————	EXISTING OVERHEAD POWER LINE
	EXISTING SHRUB	TV	EXISTING UNDERGROUND TELEVISION
⊘ PP	EXISTING POWER POLE	——— FO ———	EXISTING UNDERGROUND FIBER OPTIC
o PPR o PPR	EXISTING POWER POLE WITH RISER	X	EXISTING CHAIN LINK FENCE
\cup	EXISTING POWER POLE ANCHOR		
□ ^{TP}	EXISTING TELEPHONE PEDESTAL	-	NEW GATE VALVE
\Box^{TV}	EXISTING TELEVISION PEDESTAL	——	NEW WATERMAIN LINE
0	EXISTING STREET SIGN	*	SALVAGE & RELOCATE EXISTING LIGHT POLE
		'	ABANDON EXISTING WATERMAIN LINE

PLAN NOTES:

ADVANCE.

- 1. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. NORTH DAKOTA ONE CALL WILL ONLY LOCATE THEIR MAINS AND WILL NOT LOCATE PRIVATE UTILITIES ON THIS SITE. THE VA IS NOT RESPONSIBLE FOR LOCATING ANY ON SITE UTILITIES.
- 2. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING/PROPOSED UTILITY CROSSINGS, AND WHERE EXISTING UTILITIES CONNECT INTO NEW UTILITY MAINS.
- 3. ALL PAVEMENT MARKED FOR DEMOLITION SHALL BE FULL DEPTH SAW CUT PRIOR TO
- 4. CONTRACTOR SHALL KEEP ACCESS OPEN TO ALL EXISTING DOORS, FIRE EXITS, AND LOADING DOCKS DURING ALL PHASES OF CONSTRUCTION. IF TEMPORARY CLOSURES ARE
- REQUIRED, COORDINATE WITH VA ADMINISTRATION A MINIMUM OF 2 WEEKS IN ADVANCE. 5. CONTRACTOR IS REQUIRED TO MAINTAIN ONE DRIVING LANE OPEN AT ALL TIMES. IF ROAD CLOSURE IS REQUIRED, COORDINATE WITH VA ADMINISTRATION A MINIMUM OF 2 WEEKS IN
- 6. CONTRACTOR IS RESPONSIBLE FOR GENERAL TRAFFIC CONTROL TO ALLOW FOR PUBLIC ACCESS THROUGH THE PROJECT SITE. CONTRACTOR SHALL PROVIDE ADEQUATE SIGNS FOR PUBLIC SAFETY AND TRAFFIC CONTROL. CONTRACTOR IS RESPONSIBLE TO KEEP ACCESS TO THE EAST & NORTH LOADING DOCK OPEN FOR DAILY DELIVERIES & COORDINATE ANY RESTRICTIONS WITH THE VA ADMINISTRATION.
- 7. CONTRACTOR SHALL MAINTAIN 7.5' BURY DEPTH OVER ALL NEW WATERMAIN.
- 8. CONTRACTOR SHALL PROTECT THE EXISTING WATERMAIN AND ENSURE THAT VA MEDICAL CAMPUS HAS NO DISRUPTION OF SERVICE. NEW WATERMAIN SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY DISCONNECTION OF EXISTING WATER SERVICE. COORDINATE ANY REQUIRED LOSS OF SERVICE WITH VA ADMINISTRATION PRIOR TO WORK.
- 9. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A TEMPORARY WATER SERVICE TO THE AFFECTED VA BUILDINGS. THE METHOD OF PROVIDING THE TEMPORARY WATER SERVICE SHALL BE AN OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER. ALL TEMPORARY WATER MAINS AND SERVICES SHALL BE DISINFECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ONE WATER SAMPLE PER SERVICE CONNECTION WILL BE TAKEN AFTER THE TEMPORARY WATER LINE IS FLUSHED. THE SAMPLE SHALL SHOW THE ABSENCE OF BACTERIA BEFORE CONNECTIONS ARE ALLOWED.
- 10. THE CONTRACTOR SHALL INSTALL A TEMPORARY BYPASS TO MAINTAIN UNINTERRUPTED SEWER SERVICE ON SEWER RECONSTRUCTION WHERE WORK WILL INTERFERE WITH SEWAGE FLOW IN THE EXISTING SEWER. THE BYPASS SHALL BE MADE BY DIVERTING THE EFFLUENT FLOW AT AN UPSTREAM ACCESS MANHOLE AND PUMPING IT THROUGH A SEPARATE CONDUIT TO A DOWNSTREAM REENTRY POINT OR TO AN ADJACENT SEWER SYSTEM. THE PUMP AND BYPASS CONDUIT SHALL BE OF ADEQUATE SIZE AND CAPACITY TO HANDLE THE FLOW. THE EFFLUENT LEVEL IN THE BYPASS PUMPING MANHOLE SHALL NOT BE ALLOWED TO RISE MORE THAN 1 FOOT ABOVE THE CROWN OF THE INCOMING SEWER PIPE. BYPASS PUMPING SHALL BE INCIDENTAL TO THE SEWER WORK.
- 11. CONTRACTOR SHALL PROVIDE AND INSTALL ANY ADDITIONAL FITTINGS, PIPING, AND OFFSETS TO ACCOUNT FOR UTILITY LOCATIONS AND CROSSINGS NOT INDICATED ON THE PLANS.
- 12. CONTRACTOR SHALL RELOCATE ANY EXISTING UTILITIES THAT CONFLICT WITH THE INSTALLATION OF THE NEW SANITARY SEWER, STORM SEWER, AND WATERMAIN. ADDITIONAL WORK AND MATERIALS SHALL BE INSTALLED AT NO COST TO THE PROJECT.
- 13. ALL GRASSED AREAS DISTURBED BY CONSTRUCTION SHALL HAVE TOPSOIL (6" DEPTH), GRADED, SEEDED, AND HYDRO-MULCHED.

BENCHMARKS:

- 1. BM #1: THE SOUTHEAST FLANGE BOLT OF THE FIRE HYDRANT LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF ELM STREET & 21ST AVENUE NORTH. ELEVATION = 902.46 (NAVD 88)
- 2. BM#2: THE SOUTHEAST FLANGE BOLT OF THE FIRE HYDRANT LOCATED IN THE SOUTH PARKING LOT. ELEVATION = 891.74 (NAVD 88)



Date

Revisions



IMAGE GROUP INC., Architecture & Interiors MBN ENGINEERING, Civil Engineers





	PHASE 7 - UTILITY PLAN		Project Title VA MEDICAL CENTER REPLACE UTILITY MAINS AND ASPHALT			SC/
	VA Project No. 437-11-156	Contract No. VA263-P-1217 VA263-C-	Designed By	Checked By JM	Drawn By	Di

VA MEDICAL CENTER FARGO, ND

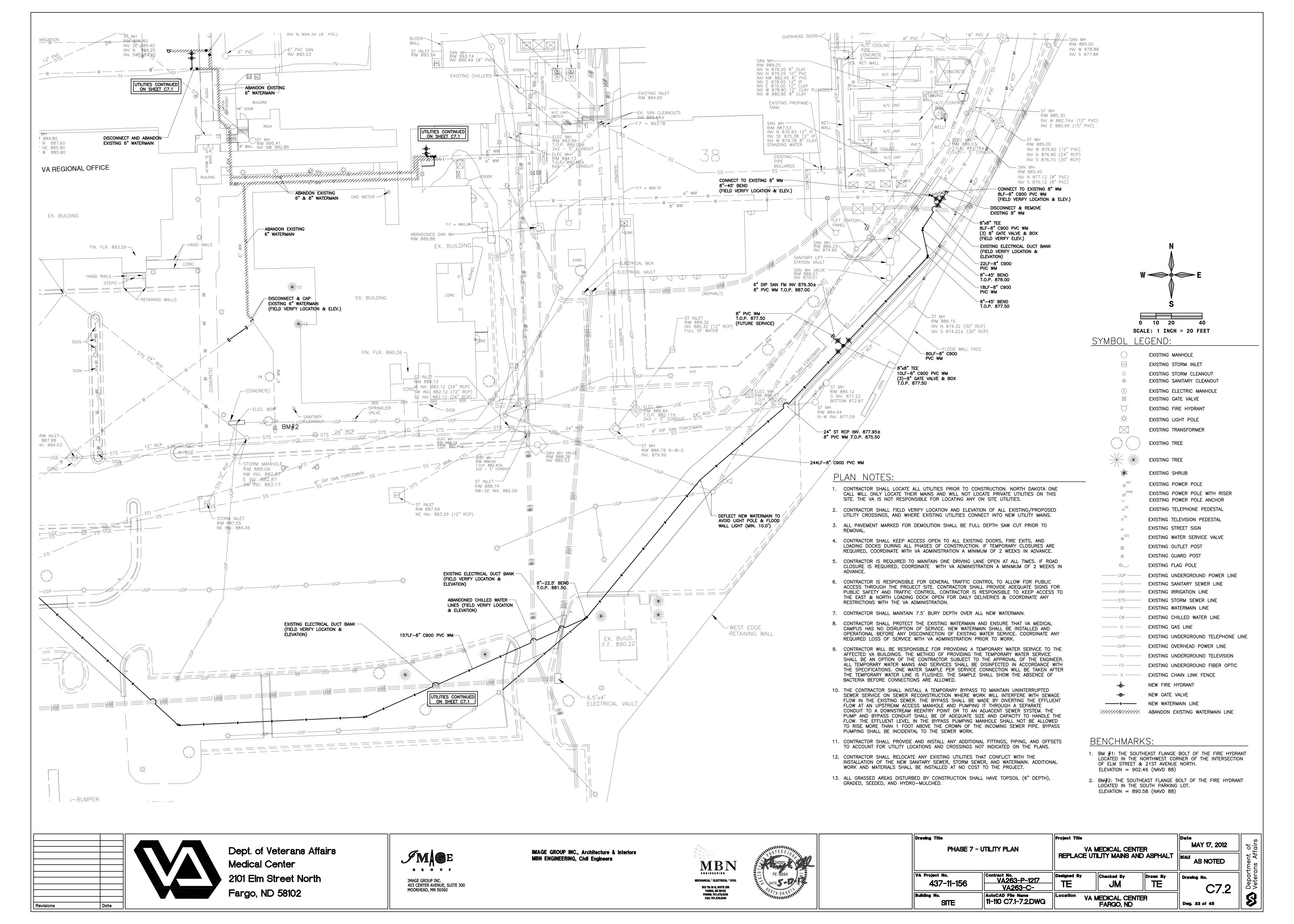
AutoCAD File Name 11-110 C7.1-7.2.DWG

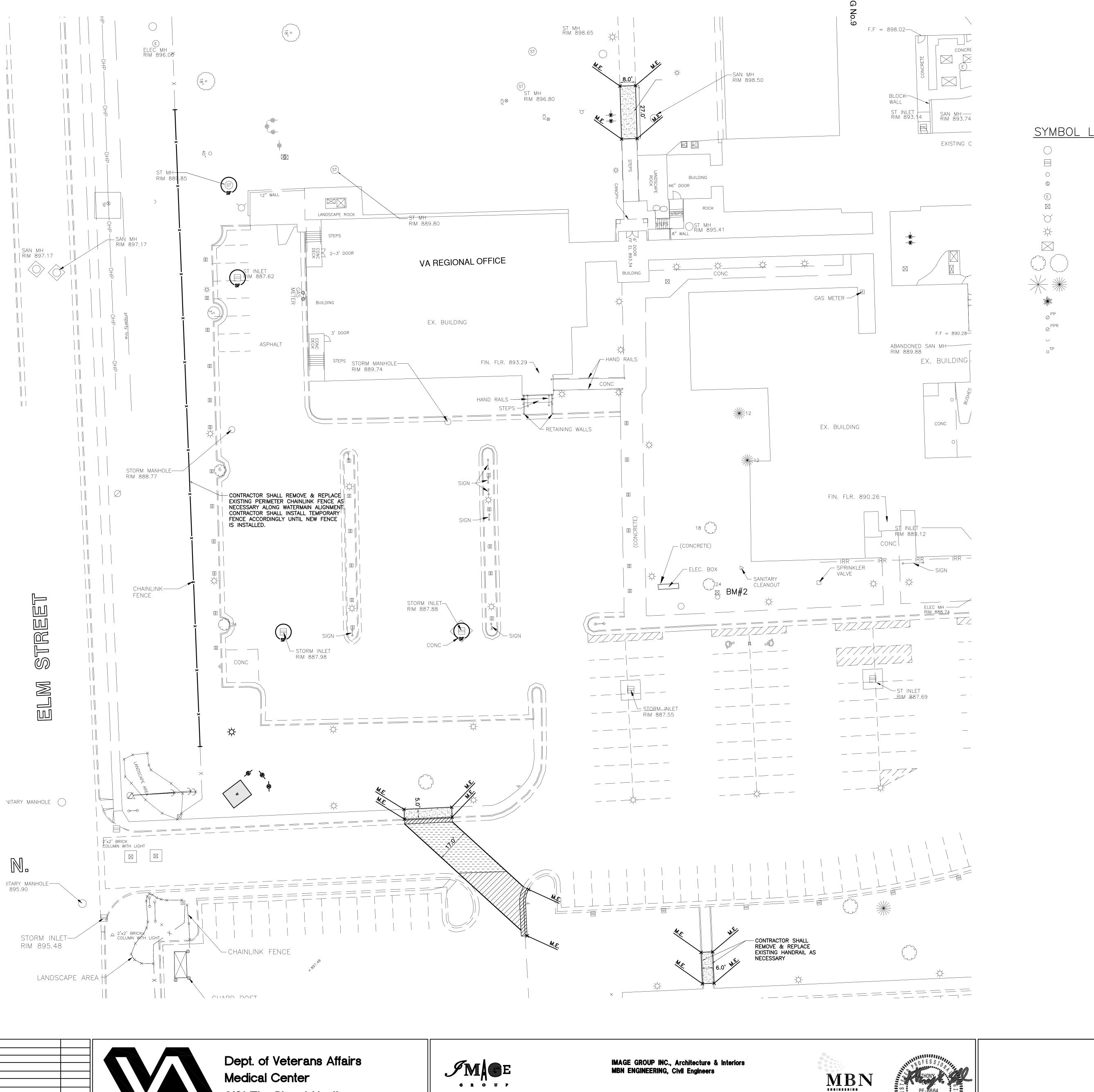
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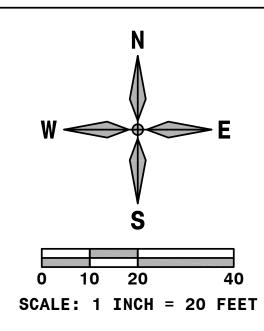
MAY 17, 2012

AS NOTED

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SYMBOL LEGEND:

EXISTING MANHOLE EXISTING TELEVISION PEDESTAL EXISTING STORM INLET EXISTING STREET SIGN EXISTING STORM CLEANOUT EXISTING WATER SERVICE VALVE EXISTING SANITARY CLEANOUT EXISTING OUTLET POST EXISTING ELECTRIC MANHOLE EXISTING GUARD POST EXISTING GATE VALVE EXISTING FLAG POLE EXISTING FIRE HYDRANT EXISTING CHAINLINK FENCE EXISTING LIGHT POLE NEW GATE VALVE NEW CHAINLINK FENCE ____ x ____ EXISTING TRANSFORMER NEW INLET PROTECTION EXISTING TREE MATCH EXISTING ELEVATION EXISTING TREE REMOVE & REPLACE 4" REINFORCED EXISTING SHRUB CONCRETE SIDEWALK EXISTING POWER POLE REMOVE & REPLACE 6" ASPHALT PAVEMENT EXISTING POWER POLE WITH RISER REMOVE & REPLACE 9" ASPHALT PAVEMENT EXISTING POWER POLE ANCHOR REMOVE & REPLACE 6" CONCRETE PAVEMENT EXISTING TELEPHONE PEDESTAL REMOVE & REAPLACE TYPE I MOUNTABLE CURB & GUTTER

PLAN NOTES:

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BENCHMARKS:

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2101 Elm Street North Fargo, ND 58102

Revisions

Date

IMAGE GROUP INC. 403 CENTER AVENUE, SUITE 300 MOORHEAD, MN 56560





	Drawing Title		
PHASE 7 - PAVING PLAN,			
	EROSION CONTROL PLAN,		
	GRADING PLAN		
	VA Project No.	Contract No. VA263-P-1217	
	437-11-156	VA263-C-	

AutoCAD File Name 11-110 C7.3-7.4.DWG

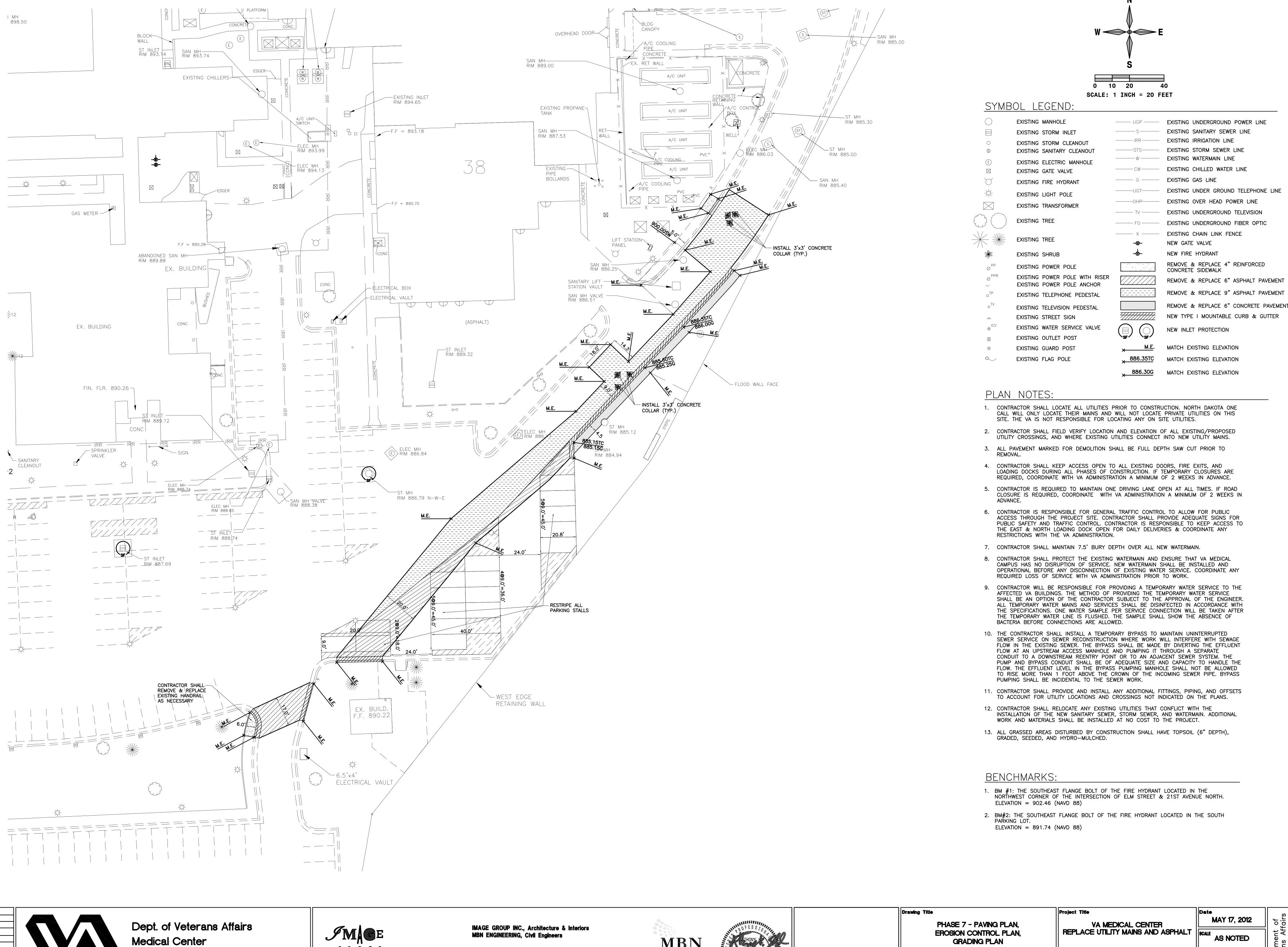
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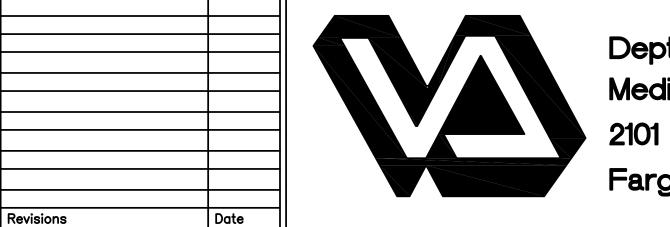
Project Title VA MEDICAL CENTER
REPLACE UTILITY MAINS AND ASPHALT
SCALE
AS NOTED Drawn By Checked By TE

VA MEDICAL CENTER FARGO, ND

C7.3Dwg. 34 of 45

MAY 17, 2012





MAGE 2101 Elm Street North Fargo, ND 58102

IMAGE GROUP INC. 403 CENTER AVENUE, SUITE 300 MOORHEAD, MN 56560





GRADING PLAN Contract No. VA263-P-1217 VA263-C-VA Project No.

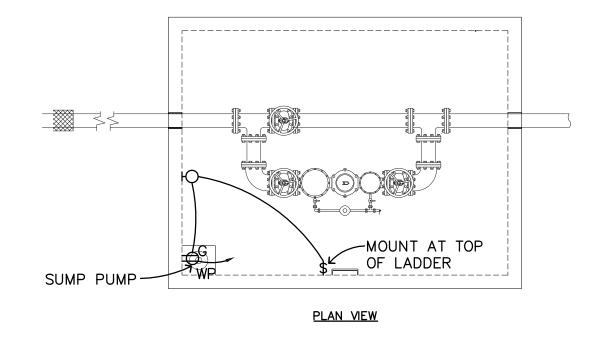
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437-11-156

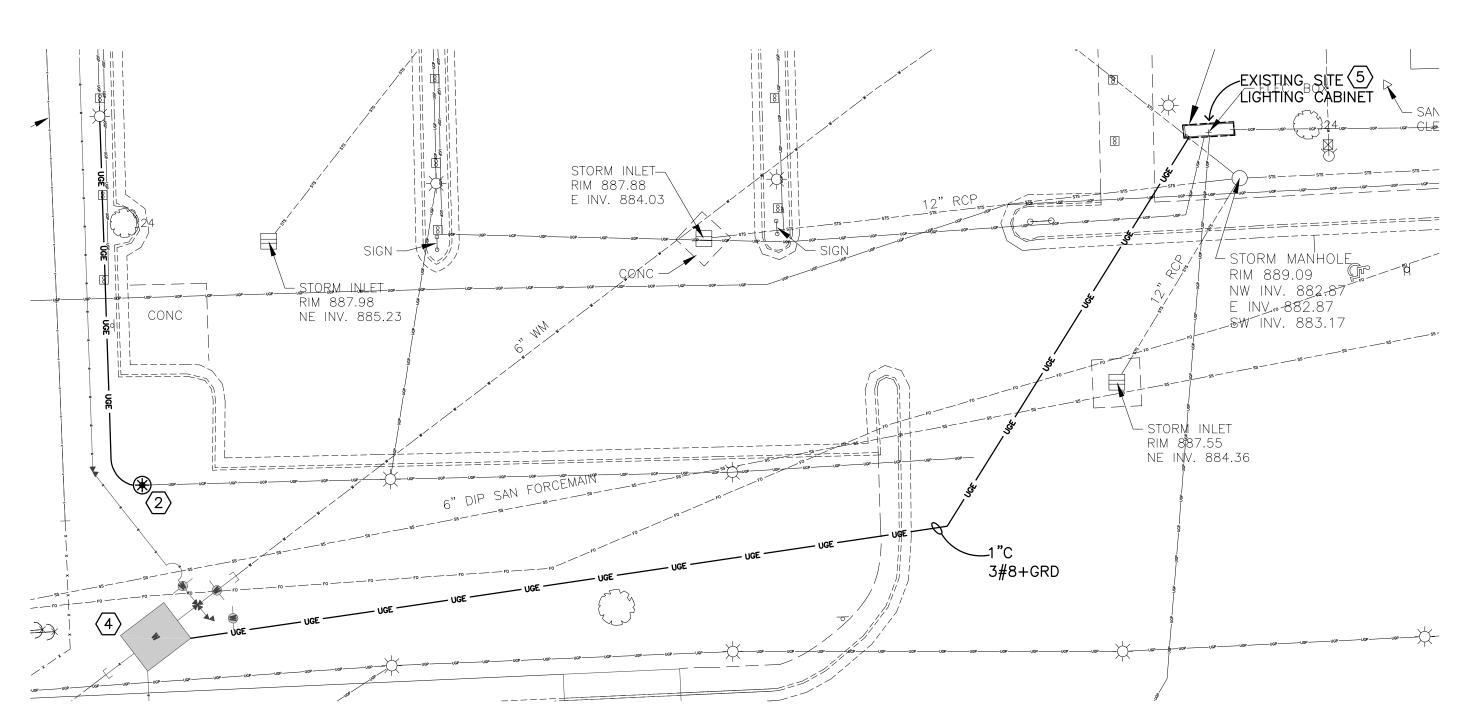
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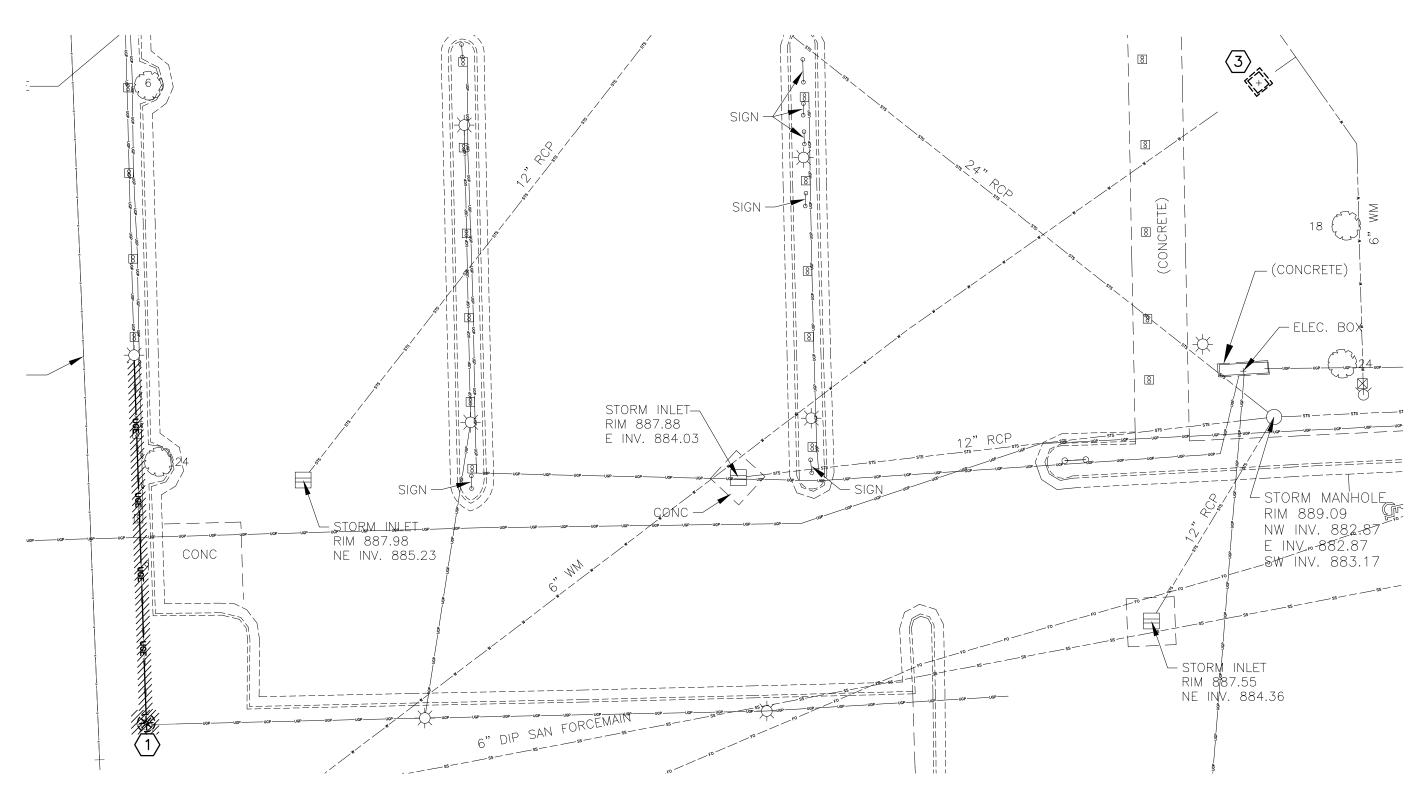
AS NOTED Drawn By C7.4 VA MEDICAL CENTER FARGO, ND Dwg. 35 of 45



4 NEW METER VAULT DETAIL E7.5 NOT TO SCALE



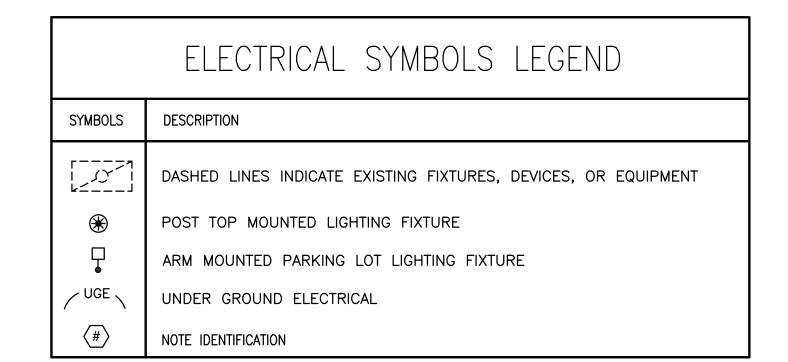




1 SITE PLAN - ELECTRICAL DEMOLITION

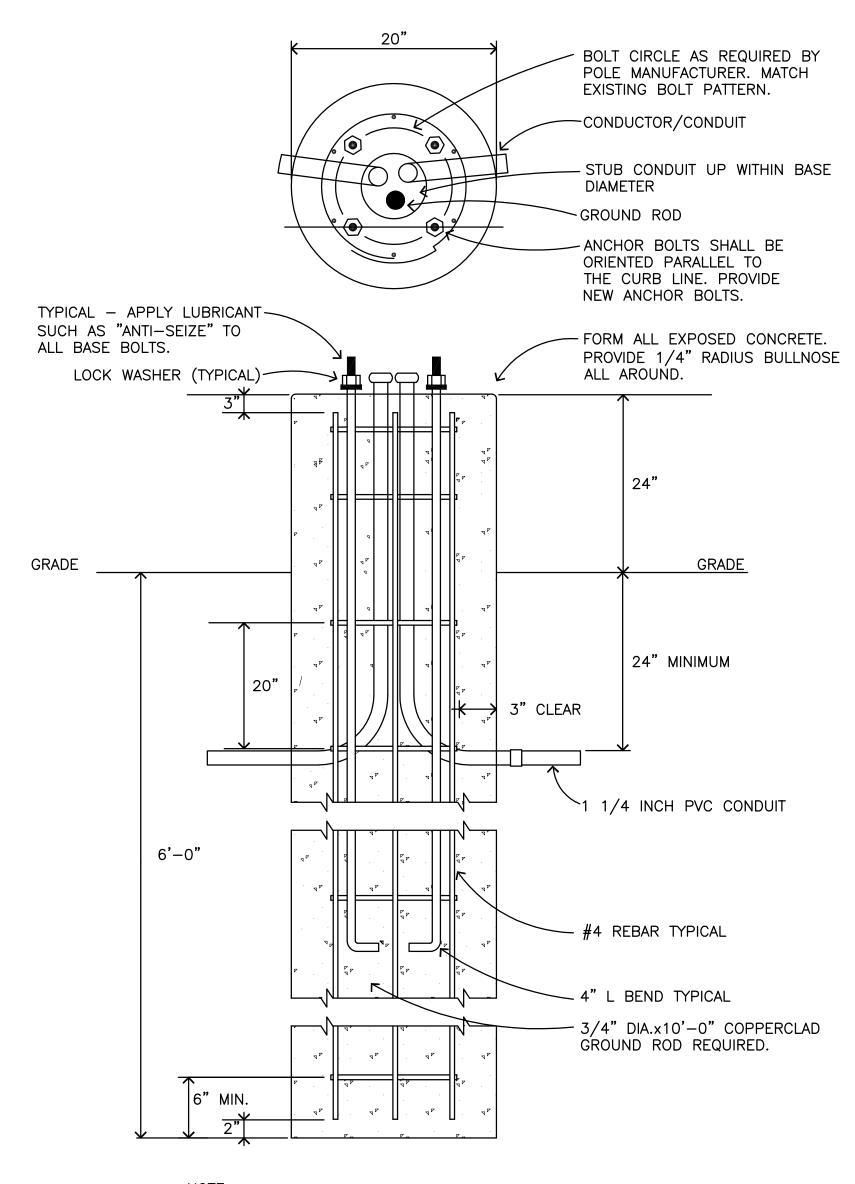
E7.5

O' 10' 20' 40'



PLAN NOTES:

- 1 LIGHT FIXTURE TO BE REMOVED AND SALVAGED FOR REINSTALLATION WHERE SHOWN ON 2/E7.5. PROVIDE STORAGE OF LIGHT FIXTURE DURING CONSTRUCTION. REMOVE POLE BASE. REMOVE CONDUCTORS BETWEEN LIGHT FIXTURES AND WIRING BACK TO SOURCE SHOWN.
- REINSTALL LIGHT FIXTURE AND POLE SALVAGED DURING DEMOLITION. SEE LIGHT POLE BASE DETAIL 3/E7.5. MATCH CONDUCTOR SIZE AND NUMBER OF CONDUCTORS WITH EXISTING CIRCUITING. CIRCUIT AS SHOWN. PROVIDE #8 CONDUCTORS AND 1 1/4 INCH CONDUIT MINIMUM.
- 3 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE, SWITCH AND RECEPTACLE IN EXISTING WATER METER VALUET
- 4 PROVIDE GFCI RECEPTACLE WITH WEATHERPROOF IN USE COVER, LIGHT SWITCH WITH WEATHERPROOF IN USE COVER, AND LIGHT FIXTURE AND INSTALL IN NEW WATER METER VAULT. SEE 4/E7.5 FOR LAYOUT. VERIFY ALL LOCATIONS AND MOUNTING HEIGHTS WITH METER VAULT CONTRACTOR. LIGHT FIXTURE TO BE HUBBELL VMX SERIES PIT LIGHT WITH POLYCARBONATE GLOBE, WIRE GUARD WITH 100 WATT LAMP. CIRCUIT TO EXISTING SITE LIGHTING CABINET WITH 1 INCH CONDUIT WITH 3#8 CONDUCTORS PLUS GROUND, BORE UNDERGROUND UNDER PAVED AREAS.
- 5 PROVIDE NEW 20/1 CIRCUIT BREAKER IN EXISTING PANEL WITHIN CABINET FOR METER VAULT CIRCUIT.



NOTE:
PROVIDE A SPARE CONDUIT STUB AT EACH END—OF—LINE
FIXTURE. SEE PLANS FOR ADDITIONAL SPARE STUBS.

3 LIGHT POLE BASE DETAIL E7.5 NOT TO SCALE

Drawing Title





IMAGE GROUP INC., Architecture & Interiors MBN ENGINEERING, Civil Engineers





PHASE 7 - ELECTRICAL DEMOLITION AND ELECTRICAL REMODELING		VA MEDICAL CENTER REPLACE UTILITY MAINS AND ASPHALT			SCALE
VA Project No. 437–11–156	Contract No. VA263-P-1217 VA263-C-	Designed By	Checked By	Drawn By TP	Drawin
Building No. SITE AutoCAD File Name 11-110 E7.5 BOUND.DW		Location VA MEDICAL CENTER FARGO, ND			Dwg. 3

Project Title

MAY 17, 2012

AS NOTED

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E7.5

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